



Technical Data Sheet

Product Name
TPE compounds

Product Type
Thermoplastic elastomer for seal liner

Product Grade
17804WHE

Product Description

17804WHE is a non-PVC compound based on polyolefin raw materials. The product is designed for continuous compression cold molding and specially formulated for using as a gasket material in Roll-On-Pilfer-Proof (ROPP) caps for filling goods like soybean milk.

Typical Application

- Sterilization process
- Beverage: Soybean milk

Product Characteristics

- Excellent process ability and good sealing performance
- Non heavy metal

International Compliance

Food contact applicable

Notification of Public Health (Thailand No. 435)

-Overall migration (3% acetic acid, 20% Ethanol; OM5)

-Specific Migration of Heavy Metal

-Specific Migration of PAAs

-clause 4(5) Visible Color

Migration

EU10/2011

-Overall migration (3% acetic acid, 20% Ethanol; OM5)

-Specific Migration of Heavy Metal

-Specific Migration of PAAs

US FDA 21 CFR 177.1210

Physical Properties

Properties	Test Method	Typical Value	Unit
Specific Gravity	ASTM D 792	0.90	-
Hardness Shore A @15 sec	ASTM D 2240	88	
Tensile Strength	JIS K6723	396	kgf/cm ²
Elongation at Break	JIS K6723	682	%
Melt Flow Index (250°C, 15 kg)	ASTM D 1238	12.7	g/ 10 min.

Note: • The given values are typical value measured on the product. Values herein are not to be constructed as a product specification.

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Processing Guidelines

The actual processing condition depends on each extruder machine type, screw type and also output needed etc. Generally, temperature at extruder should be around 150-200°C as sequence from feed throat to die head. The exceed temperature than 200°C might affect to appearance, color and typical property.

Product Technical Assistance

For technical assistance or further information on this product or any other SCG Chemicals' products, contact your SCG Chemicals technical services at the address as specified below.

Product Available Form

- Pellet

Product Packaging

- 20 kg loose bag

Storage

- Store in original container in tidy according to the manual of Handling and Storage from Thai Polyethylene Co., Ltd.
- Product(s) should be stored in dry and dust free location at temperature below 50 °C and protected from direct sunlight and/or heat, well-ventilated area, away from incompatible materials and food and drink, as this may lead to quality deterioration, which results in odour generation and colour changes and can have negative effects on the physical properties of this product.
- Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.
- The storage area should be stable and not be slopped.

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